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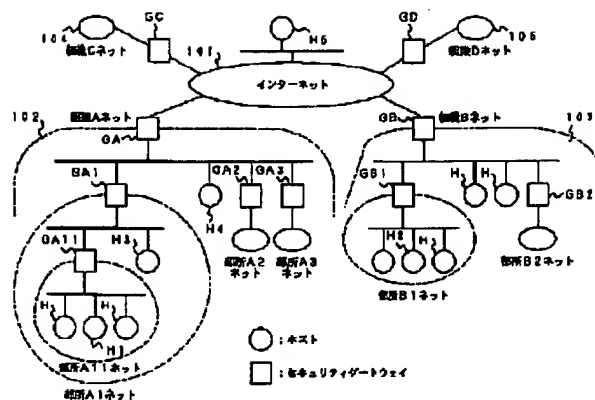PUBLICATION DATE : 15-08-97

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TITLE : PACKET TRANSFER METHOD,
PACKET PROCESSOR, PACKET
CIPHERING METHOD, PACKET
DECODING METHOD AND PACKET
CIPHERING PROCESSING METHOD

ABSTRACT : PROBLEM TO BE SOLVED: To confirm the adequacy of each packet in each packet processing unit by conducting verification processing among packet processing units each managing a transmission source computer and a destination computer.

SOLUTION: Computers H3, H4 are directly contained respectively in management networks A1, A in the computer network. A packet passes security gateway GA while it is reached finally to a destination host from a source host. Each GA executes packet verification processing in the case of transmission of a packet externally or reception of the packet, and a verification key is provided link by ink in a form along with a passing path among the GAs. A GA in existence in a packet path transfers packets to its adjacent GA while repeating code resetting due to check/generation of a packet verification code.